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AUTHORITY

AGO ltr 29 Apr 1980

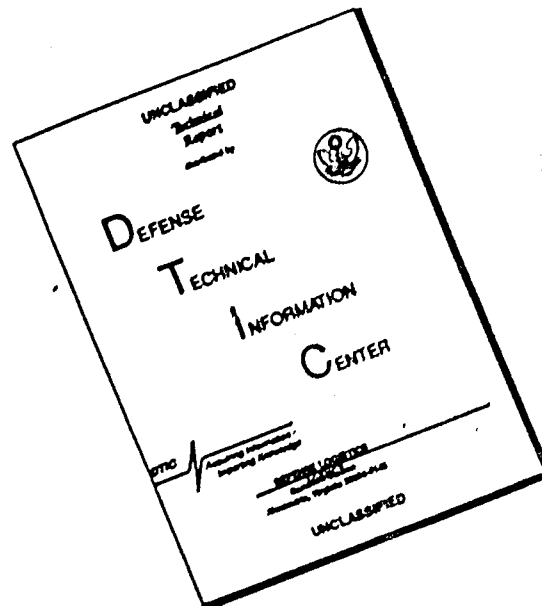
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STATEMENT #2 UNCLASSIFIED

AD824762

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HEADQUARTERS
864TH ENGINEER BATTALION (CONSTRUCTION)
APO US Forces 96312

Wash. D.C. 20310
Attn: OT-RD

EGACBC-3

14 March 1966

SUBJECT: Section III, Lessons Learned (RCS AVC (OT) 36)

TO: Assistant Chief of Staff for Force Development
Department of the Army
Washington, D. C. 20310

DDTC
JAN 9 1968
A

The following lessons learned are submitted IAW DA message 748502
DIG 252232Z January 1966:

1. Item: Care of TOE Tentage

Discussion: The heavy winds, severe rains and blaring sun cause rapid deterioration of TOE tentage. Tents erected utilizing only the provided poles deteriorate at a much more rapid rate than those framed. Unframed tents have needed replacement in as little as six months time.

Observation: Steps should be taken to frame tentage using available materials to prolong their usage.

2. Item: Pouring Concrete With 16S Mixers

Discussion: A mobil batch plant can be constructed by mounting two 16S concrete mixers on a 10 ton lowbed trailer and fabricating a chute device to pour directly into the forms. The mounting of a Navy cube on the trailer for use as a water supply increases the efficiency of this apparatus as well as lessening the water distribution requirements. The apparatus can be pulled with a tractor on well compacted surfaces or a crawler-tractor on low bearing pressure surfaces.

Observation: Utilizing this mobil batch method of pouring concrete it is possible to reduce considerably the number of personnel required to utilize two separate mixers. The end result is an increased efficiency and a greater number of cubic yards of concrete poured per working man.

3. Item: Battery Life

Discussion: Extreme heat combined with the other elements reduces the effective life of vehicle batteries.

FOR OTRD Observation: Increased battery life can be obtained by checking the
660547 water level at frequent intervals. The reading on electrolyte should be lowered (1225-1250).

66 7100

SUBJECT: Section III, Lessons Learned (con't)

14 March 1966

4. Item: AC Tractor Operation

Discussion: Rocks and other objects fall from cuts and damage the cylinder and hydraulic hoses on the left side. This happens because the operator, sitting on the left side of the dozer, tends to use the left side of the dozer more.

Observation: This situation can be overcome by moving the tilt cylinder from the left to the right of the blade.

Discussion: Approximately 1,000 hours of operation is the expected limit of use of tracks, idlers, sprockets, and rollers at Cam Ranh.

Observation: At least one full set of AC tracks, idlers, sprockets, and rollers should be kept in the company PLL.

Discussion: AC tractors operating in reverse at high speeds cause excessive sand to be thrown up into the fan causing rapid and extensive damage to the radiator.

Observation: AC tractors should not operate in reverse at high speeds in sand.

5. Item: Quarry Operations

Discussion: During the rainy season decomposed granite tends to ball up and clog chutes as well as adhere to the finished product producing a poor quality material.

Observation: Crushed rock can be produced at a reduced rate in rainy weather by adding water to the feed material. This will make the otherwise sticky decomposed granite soupy and allow it to separate more readily from the rock. A cat walk should be rigged around the discharge chute below the vibrating grizzly on the 75 TPH primary unit and push poles employed to keep material from clogging chutes. Product pile will contain quantities of decomposed granite, but it is acceptable as a road base coarse material. If allowed to dry, this product can be recycled through a tandem crusher to provide an acceptable concrete aggregate.

Discussion: In rough quarry sites or those where deep sand is present the movement of wagon drills is difficult.

Observation: Increased mobility can be obtained by mounting the wagon drill on the back of a 5 ton M 52 tractor truck. This will also extend the reach of the drill for boring horizontal "snake" holes, but reduces depth when boring vertical holes. A primary advantage of this type mounting is that the drill can be operated and moved by a two man crew.

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att: J.T.R.D.
Wash. D.C. 20310

SUBJECT: Section III, Lessons Learned (con't)

14 March 1966

Discussion: During the use of 5 ton dump trucks to feed the Eagle 75 TPH primary crusher from the headwall, the 10 horse-power electric motor for the shaker box is exposed to damage from rock spilling over the side of the hopper.

Observation: An improvised steel shelter installed over this motor prevents damage.

FOR THE COMMANDER:



WALTER P ROBERTSON

1st Lt, CE

Adjutant

10A-3 (14 March 1966) 1st Ind
SUBJECT: Lessons Learned (RCS AVC (OT)36)

HEADQUARTERS, 35th Engineer Group (Construction), APO San Francisco, Calif
96312 19 March 1966

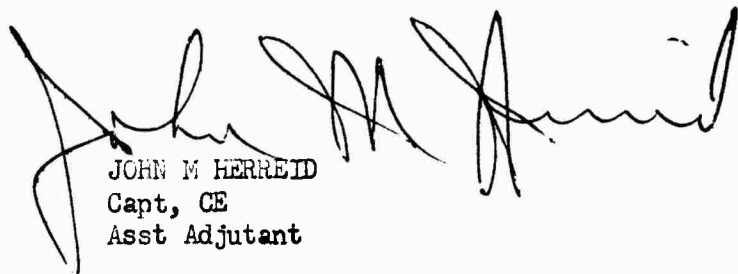
TO: Assistant Chief of Staff for Force Development, Department of the Army,
Washington, D. C. 20310

1. In accordance with message 748502 Department of the Army, dated
252232 Z January 1966; Subject: Lessons Learned (NOTAL) the subject report
is forwarded for the 864th Engineer Battalion (Construction).

2. Reference Paragraph 1. Since the end of the reporting period, units
have been authorized to frame tentage as materials become available.

3. Concur in all other Observations.

FOR THE COMMANDER:



JOHN M HERREID
Capt, CE
Asst Adjutant

AVEB-3 (13 Mar 66)

2nd Ind

Capt Flora/trs/A-610

SUBJECT: Command Report for Quarterly Period Ending 31 December 1965


HEADQUARTERS, 18th Engineer Brigade, APO US Forces 96307 30 April 1966

TO: Commanding General, United States Army Vietnam, ATTN: AVC, APO US Forces 96307

1. Forwarded herewith is the original and copy one (1) of the 864th Engineer Battalion (Const) Lessons Learned as required by para 5.a, letter, your headquarters, subject: Lessons Learned (RCS AVC (OT) 36), dated 1 March 1966.

2. Concur in principle.

FOR THE COMMANDER:


ROBERT R. CONNOLLY
Major, CE
Adjutant

AVC (14 Mar 66)
SUBJECT: Lessons Learned


3d Ind

HEADQUARTERS, UNITED STATES ARMY, VIETNAM, APO US Forces 96307 7 MAY 1966

THRU: Commander in Chief, United States Army, Pacific, ATTN: GPOP-MH,
APO US Forces ~~96307~~ 96555
TO: Assistant Chief of Staff for Force Development, Department of the
Army, Washington, D.C. 20310

1. Reference: Paragraph 2c, DA Message 748502 from ACSFOR, DTG 252232Z, January 1966, Subject: Lessons Learned (NOTAL).
2. Based on the requirements for lessons learned in message, paragraph 1 above, this headquarters requested a one-time report of lessons learned, as Section III to the Quarterly Command Reports for the period ending 31 December 1965, from those units submitting that report. All preparing units have been directed to include the lessons learned in the Operational Report on Lessons Learned commencing with the report for the period ending 30 April 1966.
3. The inclosed report on lessons learned is forwarded for your information.

FOR THE COMMANDER:


R. J. THORNTON III
1st Lt, AGC
Asst Adjutant General